AMENDMENTS TO THE SPECIFICATION

(1) Please amend the paragraph on page 3, beginning on line 13, to read:

In the remainder of the present description and claims we shall define as SIM a SIM card typically involved in a GSM network or a USIM card ~~tipically~~ typically involved in a UMTS network, or a similar card used in a different wireless network and provided with encryption based authentication or identification features, e.g., based on a challenge and response mechanism.

(2) Please amend the paragraph on page 12, beginning on line 16, to read:

It will be ~~appreciate~~ appreciated that the use of the cryptographic checksum MAC_K provides protection against unauthorized modifications of the encrypted sensitive data in terms of detection. In fact, an adversary, without the knowledge of the encryption key K, is not able to change the encrypted sensitive data along with the integrity of the cryptographic checksum MAC_K.

(3) Please amend the paragraph on page 14, beginning on line 14, to read:

In a step 210, these two session keys Kc1, Kc2 are subsequently mixed by means of [[an]] a hash function h, such as, but not limited to a SHA-1 function or a MD5 function.